

10MHz~50MHz 7.0×5.0mm, Quick Warm-up, High frequency & Low Noise VCXO

Quick Detail:

- Aluminum housing
- 3.3V Operating Voltage (VCC)
- -40℃~+85℃ operating temperature
- SMD package
- High precision
- Low phase noise
- HCMOS Output Waveform
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

The LT-CR-bv0507e(OE) is the newest addition to ZR's line of VCXOs. The standard part offers an ultra-tight stability of ± 15 ppm over -40℃ to +85℃ across a supply voltage -3.3V. The LT-CR-bv0507e(OE) uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 7.0 mm x 5.0 mm x 2.0 mm ceramic package and options for 1,000- or 3,000-piece reels make these components ideal for satellite communication, military communication equipment, base station, test and measurement equipment.

Specifications:

Electrical / Optical Characteristics (Ta=25℃±3℃)

Items	Specification	Conditions
Part Number	LT-CR-bv0507e(OE)	
Frequency Range	10MHz~50MHz	
Operating Voltage(VCC)	3.3V	
Operating Current	≤35mA	
Operating Temperature	-40℃~85℃	
Freq. Stability Vs. Temp.	≤±20ppm	Vcon=1.65V,At +25℃
Frequency Tolerance		
Output Waveform	LVC MOS	
Output Load	15pF	
Output logic Level	High Level:≥2.4V; Low Level:≤0.4V	
Rise/Fall Time	≤3ns	LVC MOS Output, Load=15pf
Duty Cycle(%)	45%~55%	
Voltaged Voltage Range(VC)	0~3.3	
Voltaged Frequency	≥±30ppm	

Range		
Slope	Positive	
Linearity	≤10%	
Input Impedance		
Phase Noise (typ.)	-70dBc/Hz @10Hz; -110dBc/Hz @100Hz; -140dBc/Hz @1kHz; -150dBc/Hz @10kHz; -160dBc/Hz @100kHz;	Typical Frequency:16.384MHz At +25℃
Dimension	7.0 mm x 5.0 mm x 2.0 mm	
Note: for custom specs, please contact us directly.		

Outline Drawing (Unit: mm):

